



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



197 [Signature]

CHRISTOPHER D. CLEMENT, SR.
COMMISSIONER

JEFF BRILLHART, P.E.
ASSISTANT COMMISSIONER

Bureau of Construction
May 21, 2014

Her Excellency, Governor Margaret Wood Hassan
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

1. Authorize the Department of Transportation to enter into a contract with CW Sliter & Sons, Inc. dba CWS Fence & Guardrail (Vendor 155763) of Andover, NH on the basis of a low bid of \$471,446.20 for guardrail replacement at 23 locations along I-95 (Blue Star Turnpike) from Seabrook to Portsmouth, from the date of Governor and Council approval through September 19, 2014 unless extended by the Department in accordance with the Standard Specifications. 100% Turnpike Funds.

Table with 3 columns: Funding description, FY 2014, FY 2015. Row 1: 04-96-96-961017-7025 Turnpike Renewal & Replacement. Row 2: 400-500870 Highway Contract Payments \$100,000.00 \$371,446.20

2. Further authorize that a contingency in the amount of \$23,572.31 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 5% of the contract amount.

Table with 2 columns: Funding description, FY 2015. Row 1: 04-96-96-961017-7025 Turnpike Renewal & Replacement. Row 2: 400-500870 Highway Contract Payments \$23,572.31

**EXPLANATION**

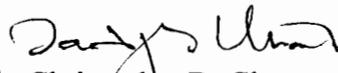
This project is part of the Turnpikes Renewal and Replacement Program. The purpose of this project is to replace existing guardrail that has met its constructive lifespan, shows signs of deterioration (rotten posts, rusted and flattened rail) and does not meet height requirements. The work involves replacing approximately 12,000 linear feet of guardrail at 17 locations and replacing substandard rail-bridge connections at another 6 locations. New installations will improve safety for the traveling public and bring guardrail installations up to current standards. All wood post guardrail runs will be replaced with steel post installations, which will provide a longer constructive lifespan.

The contingency amount is proposed to be 5% of the contract amount. This contract has the potential for adjustment of guardrail limits to meet varying field conditions. Additionally, this construction will be completed under high traffic volumes, with the potential for night work and lane closure operations, both of which increase the risk of contract overruns.

The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available. Copies of the fully executed contract are on file at the Secretary of State's Office and the Department of Administrative Service's Office, and subsequent to Governor and Council approval will be on file at the Department of Transportation.

A copy of the Tabulation of Bids received for this project is attached along with the Contract Supplemental Sheet and a map indicating the location of the project.

Sincerely,

  
for Christopher D. Clement, Sr.  
Commissioner

CDC/md

Department Estimate: \$543,436.75  
Contract Amount: \$471,446.20  
Under Estimate: \$ 71,990.55

Attachments

**PROJECT: SEABROOK-PORTSMOUTH**

**STATE NO: 23785**

**Date: April 7, 2014**

**SUPPLEMENTAL PROJECT INFORMATION SHEET**

**DESCRIPTION:** This guardrail project will replace approximately 12,050 linear feet of rail at 17 locations, as well substandard “guardrail-to-bridge rail” connections at 6 locations along I-95 (Blue Star Turnpike) from Seabrook to Portsmouth between mile markers 2.0 and 14.5. New installations will be Midwest Guardrail Systems (MGS) installed at a 31” mounting height with 8” offset blocks, steel posts and beam rail splices at mid-span (as opposed to splicing at the post).

**FEDERAL FUNDING:** 0% (Turnpike Funded from the Renewal and Replacement Program)

**CONTINGENCY:** The contingency amount is proposed to be 5% of the contract amount. This contract has the potential for adjustment of guardrail limits to meet varying field conditions. Additionally, this construction will be completed under high traffic volumes, with the potential for night work and lane closure operations, both of which increase the risk of contract overruns.

**PROJECT INITIATED:** Bureau of Turnpikes Renewal and Replacement Program

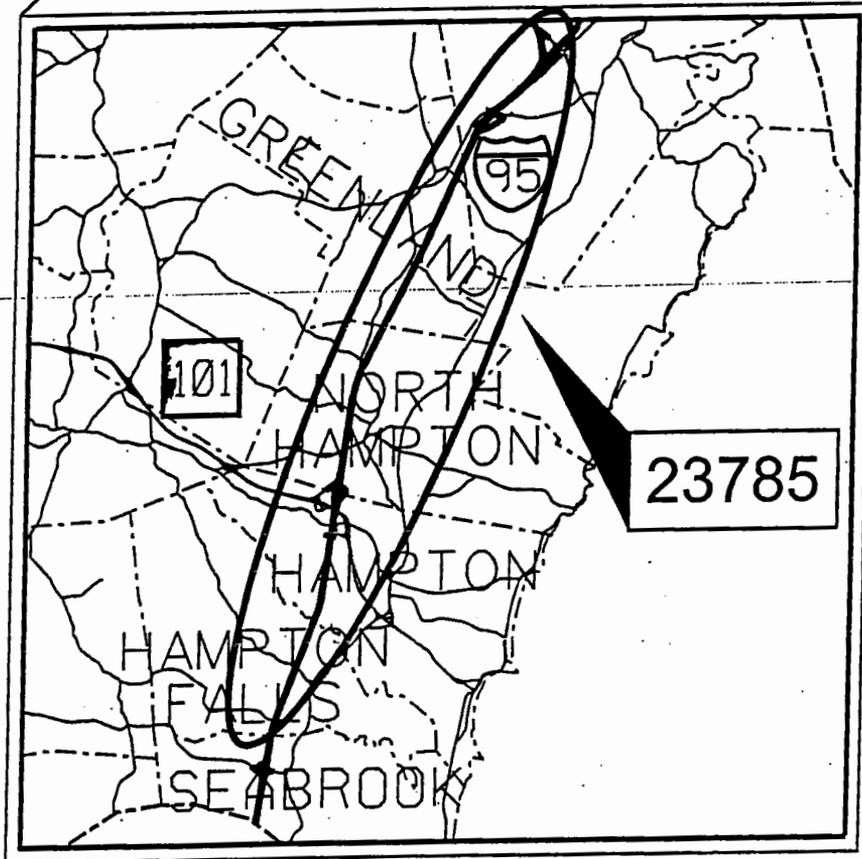
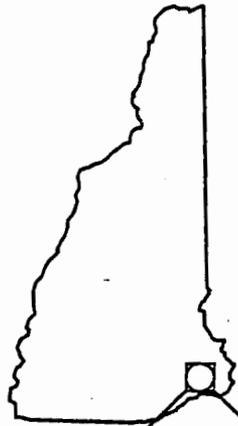
**EXPLANATION:** The purpose of this project is to replace existing guardrail that has met its constructive lifespan, shows signs of deterioration (rotten posts, rusted and flattened rail) and do not meet height requirements. New installations will be safer for the traveling public and bring guardrail installations up to current standards. All wood post guardrail runs will be replaced with steel post installations, which will provide a longer constructive lifespan.

**TRAFFIC IMPLICATIONS:** Lane closures will not be permitted during the following timeframes:

**I-95 NB:** Monday through Thursday 6am–9am & 3 pm–7pm;  
no lane closures permitted Friday, Saturday or Sunday.

**I-95 SB:** Monday through Thursday 5am–9am & 3 pm–6pm;  
no lane closures permitted Friday, Saturday or Sunday.

**COMPLETION DATE:** September 19, 2014



LOCATION MAP



GRAPHIC SCALE

SEABROOK - PORTSMOUTH

**State of New Hampshire  
Department of Transportation**

23785.01

**Project:** SEABROOK-PORTSMOUTH  
NON-FEDERAL 23785

**County and Code:** ROCKINGHAM COUNTY 015

**Date Bids Open:** May 8, 2014

**Scope of Work:** GUARDRAIL REPLACEMENT

**Location:** AT 17 LOCATIONS ALONG I-95 (BLUE STAR TURNPIKE)

**Completion Date:** September 19, 2014

A CWS FENCE & GUARDRAIL  
261 FRANKLIN HIGHWAY ANDOVER, NH 03216

\$471,446.20

B DELUCCA FENCE COMPANY, INC.  
FIVE OLD FERRY ROAD METHUEN, MA 01844

\$481,125.00

Item No:	Description	Unit	Quantity	A		B		Unit Price	Total
				Unit Price	Total	Unit Price	Total		
202.7	REMOVAL OF GUARDRAIL	LF	12,778.00	\$1.50	\$19,167.00	\$0.85	\$10,861.30		
203.5554	GUARDRAIL 50' EAGRT PLATFORM	U	12.00	\$1,300.00	\$15,600.00	\$1,725.00	\$20,700.00		
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	50.00	\$60.00	\$3,000.00	\$63.75	\$3,187.50		
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	200.00	\$40.00	\$8,000.00	\$25.50	\$5,100.00		
550.102	STRUCTURAL STEEL (F)	LB	3,028.00	\$10.65	\$32,248.20	\$16.92	\$51,233.76		
565.91	BRIDGE APPROACH RAIL, THRIE BEAM TRANSITION (STEEL POSTS)	U	12.00	\$2,365.00	\$28,380.00	\$4,000.00	\$48,000.00		
606.1454	BEAM GUARDRAIL (TERM. UNIT TYPE EAGRT 50 FT.)	U	17.00	\$1,980.00	\$33,660.00	\$1,900.00	\$32,300.00		
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	8,410.00	\$16.00	\$134,560.00	\$14.60	\$122,786.00		
606.28001	31" DOUBLE FACED W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	3,650.00	\$22.70	\$82,855.00	\$23.00	\$83,950.00		
606.312	SINGLE FACED TRANSITION RAIL, STEEL POSTS	U	1.00	\$2,790.00	\$2,790.00	\$4,000.00	\$4,000.00		
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	1.00	\$3,600.00	\$3,600.00	\$7,100.00	\$7,100.00		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$17,250.00	\$17,250.00	\$9,151.44	\$9,151.44		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$1,400.00	\$2,800.00	\$3,000.00	\$6,000.00		
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$545.00	\$1,090.00	\$500.00	\$1,000.00		
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$2,750.00	\$5,500.00	\$1,500.00	\$3,000.00		

Item No:	Description	Unit	Quantity	A		B	
				Unit Price	Total	Unit Price	Total
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	165.00	\$4.00	\$660.00	\$4.00	\$660.00
621.31	SINGLE DELINEATOR WITH POST	EA	85.00	\$32.00	\$2,720.00	\$30.00	\$2,550.00
645.531	SILT FENCE	LF	2,750.00	\$1.50	\$4,125.00	\$1.50	\$4,125.00
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	500.00	\$6.00	\$3,000.00	\$5.74	\$2,870.00
692	MOBILIZATION	U	1.00	\$25,441.00	\$25,441.00	\$17,550.00	\$17,550.00
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00
					\$471,446.20		\$481,125.00

## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
202.7	REMOVAL OF GUARDRAIL	LF	12,778.00	\$1.50	\$19,167.00	\$1.75	\$22,361.50	(\$3,194.50)
203.5554	GUARDRAIL 50' EAGRT PLATFORM	U	12.00	\$1,300.00	\$15,600.00	\$1,100.00	\$13,200.00	\$2,400.00
206.19	COMMON STRUCTURE EXCAVATION	CY	50.00	\$60.00	\$3,000.00	\$30.00	\$1,500.00	\$1,500.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	200.00	\$40.00	\$8,000.00	\$15.00	\$3,000.00	\$5,000.00
550.102	STRUCTURAL STEEL (F)	LB	3,028.00	\$10.65	\$32,248.20	\$5.00	\$15,140.00	\$17,108.20
565.91	BRIDGE APPROACH RAIL, THRIE BEAM TRANSITION (STEEL POSTS)	U	12.00	\$2,365.00	\$28,380.00	\$2,669.50	\$32,034.00	(\$3,654.00)
606.1454	BEAM GUARDRAIL (TERM. UNIT TYPE EAGRT 50 FT.)	U	17.00	\$1,980.00	\$33,660.00	\$2,100.00	\$35,700.00	(\$2,040.00)
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	8,410.00	\$16.00	\$134,560.00	\$18.00	\$151,380.00	(\$16,820.00)
606.28001	31" DOUBLE FACED W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	3,650.00	\$22.70	\$82,855.00	\$37.00	\$135,050.00	(\$52,195.00)
606.312	SINGLE FACED TRANSITION RAIL, STEEL POSTS	U	1.00	\$2,790.00	\$2,790.00	\$2,500.00	\$2,500.00	\$290.00
606.41231	TRANSITION SINGLE SLOPE CONCRETE BARRIER, PRECAST	U	1.00	\$3,600.00	\$3,600.00	\$1,675.00	\$1,675.00	\$1,925.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC PORTABLE CHANGEABLE MESSAGE SIGN	U	1.00	\$17,250.00	\$17,250.00	\$25,000.00	\$25,000.00	(\$7,750.00)
619.25	TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$1,400.00	\$2,800.00	\$1,500.00	\$3,000.00	(\$200.00)
619.27	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL	U	2.00	\$545.00	\$1,090.00	\$1,100.00	\$2,200.00	(\$1,110.00)
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL	U	2.00	\$2,750.00	\$5,500.00	\$5,000.00	\$10,000.00	(\$4,500.00)

## A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	165.00	\$4.00	\$660.00	\$4.25	\$701.25	(\$41.25)
621.31	SINGLE DELINEATOR WITH POST	EA	85.00	\$32.00	\$2,720.00	\$34.50	\$2,932.50	(\$212.50)
645.531	SILT FENCE	LF	2,750.00	\$1.50	\$4,125.00	\$2.75	\$7,562.50	(\$3,437.50)
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	500.00	\$6.00	\$3,000.00	\$7.00	\$3,500.00	(\$500.00)
692	MOBILIZATION	U	1.00	\$25,441.00	\$25,441.00	\$30,000.00	\$30,000.00	(\$4,559.00)
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	10,000.00	\$1.00	\$10,000.00	\$1.00	\$10,000.00	\$0.00
					\$471,446.20		\$543,436.75	(\$71,990.55)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 05/30/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement.

PRODUCER: Davis Towle Morrill & Everett, 115 Airport Road, P O Box 1260, Concord, NH 03302-1260. CONTACT NAME: Sherri Cole, PHONE: 603 225-6611, FAX: 603-225-7935, E-MAIL ADDRESS: scole@davistowle.com. INSURER(S) AFFORDING COVERAGE: Acadia Insurance Co.

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES.

Table with columns: INSR LTR, TYPE OF INSURANCE, ADDL SUBR INSR WVD, POLICY NUMBER, POLICY EFF (MM/DD/YYYY), POLICY EXP (MM/DD/YYYY), LIMITS. Rows include General Liability (CPA0210457), Automobile Liability (CAA0210461), Umbrella Liability (CUA0210463), and Workers Compensation and Employers' Liability (WCA0210462).

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required) Workers Comp States: ME & NH RE: Guardrail Replacement Project No. 23785 Seabrook - Portsmouth 23785 With respects to noted project, State of New Hampshire, Department of Transportation is additionally insured ATIMA under the General Liability for ongoing operations when required by written contract

CERTIFICATE HOLDER: State of New Hampshire, Department of Transportation, PO Box 483, Concord, NH 03302. CANCELLATION: SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE: [Signature]

